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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/658,747	
	Filing Date	September 8, 2003	
	First Named Inventor	John G. Maneatis	
	Art Unit	2817	
	Examiner Name		
Total Number of Pages in This Submission	6+	Attorney Docket Number	TCU 328

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please Identify below): 1. PTO-1449 forms (three pages) 2. Two references (one foreign, one other doc.)
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Christopher S. Tuttle, Esq. Kolisch Hartwell, P.C.
Signature	
Date	May 3, 2004

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Renee Knight		
Signature		Date	May 3, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Date: May 3, 2004

JOHN G. MANEATIS

Serial No. : 10/658,747

Group Art Unit 2817

Filed : September 8, 2003

For : PHASE-LOCKED LOOP WITH  
CONDITIONED CHARGE PUMP OUTPUT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.56, 1.97, and 1.98**

Applicant is submitting this Information Disclosure Statement pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98 to disclose to the U.S. Patent and Trademark Office the patents, publications, applications, and/or other references listed on the enclosed, completed PTO-1449 form(s). The filing of this Information Disclosure Statement should not be construed as a representation that a search has been made or as an admission that the listed references are prior art for this application. Applicant respectfully requests that the listed references be expressly considered during prosecution of the application, and that the references be made of record therein and appear among the "references cited" on any patents issuing therefrom.

## CONTENT OF DISCLOSURE

This Information Disclosure Statement includes (1) three pages of PTO-1449 forms, and (2) a legible copy of each foreign and non-patent reference, if any, listed on the form(s). However, because this application was filed on or after July 1, 2003, no copies of U.S. patents or published U.S. patent applications are included.

## TIMING OF DISCLOSURE / FEE INFORMATION

This Information Disclosure Statement is being filed, to the best of the undersigned's knowledge, either (1) before the mailing of a first Office action on the merits, or (2) before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. § 1.114. Therefore, in accordance with 37 C.F.R. § 1.97(b), no fee or statement under 37 C.F.R. § 1.97(e) is required.

Please contact the undersigned with any questions or comments regarding this Information Disclosure Statement.

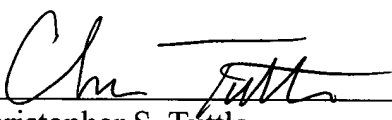
### CERTIFICATE OF MAILING

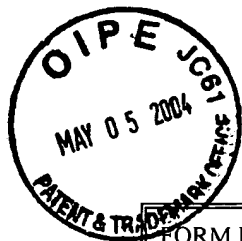
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on May 3, 2004.

  
Renee Knight

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SHEET 1 OF 3

FORM PTO-1449		DOCKET NUMBER TCU 328		APPLICATION NUMBER 10/658,747		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT John G. Maneatis				
		FILING DATE September 8, 2003		GROUP ART UNIT 2817		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	4,608,530	8/26/86	Bacrania			
	4,644,536	2/17/87	Utsumi			
	4,792,768	12/20/88	Fried et al.			
	5,043,677	8/27/91	Tomassetti et al.			
	5,375,148	12/20/94	Parker et al.			
	5,491,439	7/13/96	Kelkar et al.			
	5,512,816	4/30/96	Lambert			
	5,727,037	3/10/98	Maneatis			
	5,731,696	3/24/98	Pennisi et al.			
	5,757,238	5/26/98	Ferraiolo et al.			
	5,783,972	7/21/98	Nishikawa			
	5,818,287	10/6/98	Chow			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
	2002-217721	8/2/02	Japan			XX
OTHER DOCUMENTS						
	<i>A Fully-Configurable GSM BTS Controller and GMSK-EDGE Base-Band Transmitter IC,</i> Delmont et al., <i>IEEE Solid-State Conference</i> , pp. 352-353, February 5-7, 2001.					
EXAMINER			DATE CONSIDERED			

FORM PTO-1449  INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER TCU 328		APPLICATION NUMBER 10/658,747			
		APPLICANT John G. Maneatis					
		FILING DATE September 8, 2003		GROUP ART UNIT 2817			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.	
	5,900,784	5/4/99	O'Sullivan				
	5,986,485	11/16/99	O'Sullivan				
	6,043,695	3/28/00	O'Sullivan				
	6,111,470	8/29/00	Dufour				
	6,130,561	10/10/00	Dufour				
	6,201,380	3/13/01	Tsujino et al.				
	6,215,361	4/10/01	Lebouleux et al.				
	6,226,339	5/1/01	Nam et al.				
	6,229,361	5/8/01	Henwood				
	6,242,897	6/5/01	Savage et al.				
	6,249,685	6/19/01	Sharaf et al.				
	6,262,610	7/17/01	Lo et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
OTHER DOCUMENTS							
EXAMINER			DATE CONSIDERED				

